OPERATOR'S MANUAL

MOWER DRIVEN
VACUUM COLLECTOR
FOR FRONT-CUT RIDERS

BLOWER ASSEMBLY
MFG. NO. 1691260

COLLECTION SYSTEM
MFG. NO. 1691245

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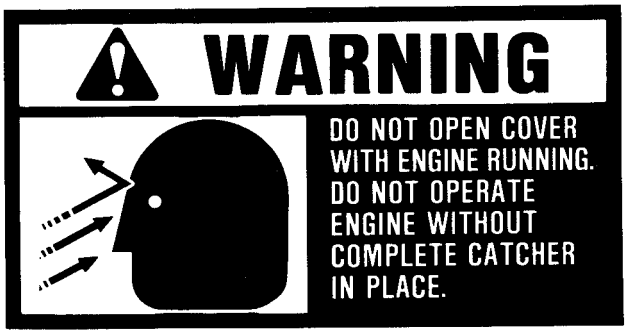
DECALS

Located on Blower.



Located on Cart.

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Safety Rules

Read these safety rules and the safety rules in your Operator's Manual and follow them closely. Failure to obey these rules could result in loss of control of vehicle, severe personal injury to yourself, or damage to property or equipment. The triangle ⚠ in the text signifies important cautions or warnings which must be followed.

⚠ WARNING

When blower assembly is removed from mower deck, the deflector must be installed as described in Operating Without Collection System.

1. Know the controls and how to stop quickly. READ THE RIDER'S OWNER'S MANUAL.
2. Shut the engine (motor) off before attaching, adjusting, or disconnecting the Collection System.
3. Check the cart to make sure it is bolted tightly to rider.
4. Check the latch handle to make sure it is engaged so the cart's box is locked to the frame.
5. Look behind to make sure the area is clear before backing up.
6. DO NOT turn sharply when the rider is alongside a building or any object.
7. DO NOT carry passengers in the cart.

   CAUTION:
8. For added tractor stability and to prevent tipping or loss of control;
   A. DO drive in reduced speed on uneven ground and when turning corners.
   B. Reduce loads on hillsides. It is recommended that the Collection System be kept only half full when negotiating any slopes. Start mowing on slopes when the Collection System is empty.
   C. Mow up and down the face of slopes; **never across the face of any slope.**
9. **CAUTION:** Objects may be thrown from mower.

   For your safety:
   A. DO NOT remove the cover while the mower blades are turning. Shut off the engine before opening the door or removing the grass chute.
   B. Be sure the complete Collection System is in place (cover secure and grass chute connected) before operating the mower.
   C. DO check the cart cover frequently for wear and tear. Replace with new cover for safety protection.
10. For best results when mowing grass: Set the mower to cut from 1 to 2 inches of grass. If grass is exceptionally tall, set your mower as high as possible for first cutting. Lower cutting height at succeeding cuttings until proper height is reached. It may be necessary to mow tall grass at a slower tractor speed.

INSTALLATION - BLOWER ASSEMBLY

1. Remove the right-hand mower cover by removing the two nuts at right-hand arbor, the screw (I, figure 1) at front and the nut (J). Remove the deflector by removing hardware at top two holes, and the front hole. Install this hardware in the deflector for future use.
2. Remove the idler pulley bolt (A, figure 2) and install the 2 inch long bolt from bottom. Install lockwasher and nut on top.
3. Place the new belt cover (A, figure 1) in position, placing hole over bolt installed in step 2. Install 3/8 nut (H, figure 1) onto the idler pulley bolt. Re-install screw (I) and washer and nut (J). Secure cover (B) to belt cover with wing nut (also shown in figure 6).

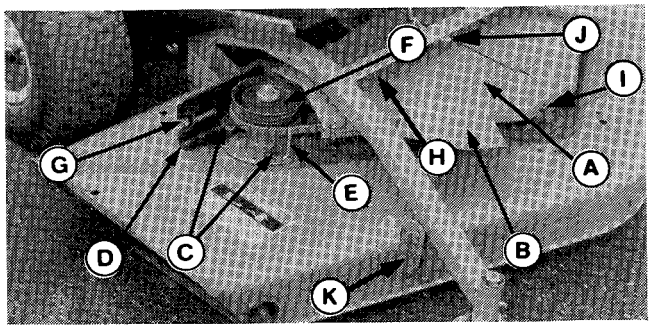

Figure 1.

A. Belt Cover	F. Pulley
B. Arbor Cover	G. Notch
C. Capscrew, 5/16-18 x 1-1/4	H. Nut
D. Bracket	I. Screw
E. Belt Stop	J. Nut
	K. Pin

4. Slip mower belt off the right hand pulley (F, figure 1). Remove the pulley from the arbor by removing capscrew and washers. Save washers for re-installation. Use wood block to prevent blade from turning.
5. Remove two self-tapping screws from arbor and install two 5/16-18 x 1-1/4 capscrews (C, figure 1). Parts will be installed on these capscrews in steps 6 and 7.
6. Install the bracket (F, figure 3) with hardware shown. The RH capscrew (G) was installed in step 5. Use hardware without belt stop at LH hole (L). The bracket is shown installed in figure 1.

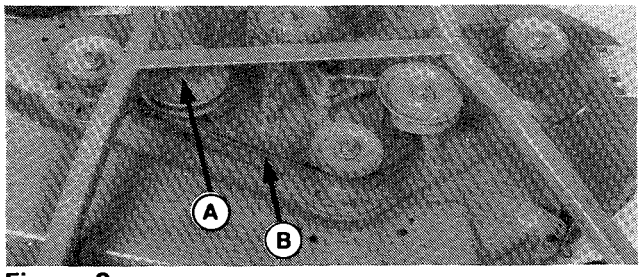

Figure 2.

A. Idler Pulley Bolt **B. Belt**

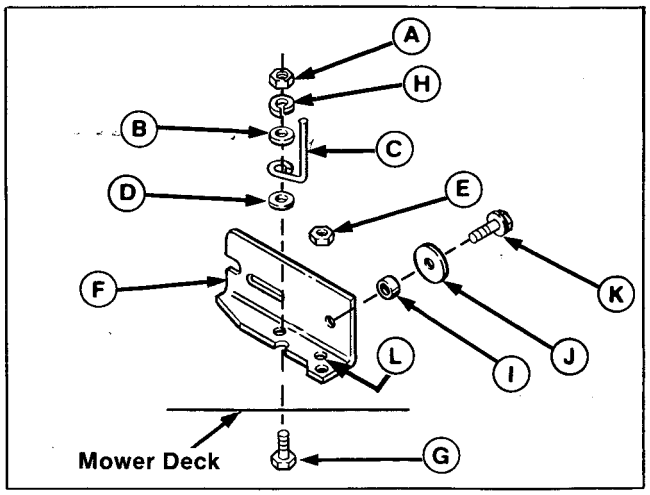

Figure 3.

A. Nut, 5/16	G. Capscrew, 5/16-18 x 1-1/4
B. Washer, 5/16	H. Lockwasher, 5/16
C. Belt Stop	I. Spacer
D. Washer, 5/16	J. Washer, Special
E. Locknut, 5/16	K. Screw, Self-Tapping, 1/4-20
F. Arbor Bracket	L. Left-Hand Mtg. Hole

7. Install the other belt stop (E, figure 1) onto the other capscrew installed in step 5 with 5/16 washer, 5/16 lockwasher and 5/16 nut (snug).
8. Install new arbor pulley (F, figure 1) with hub down. Use 7/16-14 x 2-1/4 capscrew and washers removed in step 4. Torque to 55 to 60 ft. lbs. Use wood block to prevent blade from turning.
9. Slip the mower drive belt onto the lower groove of the new pulley (F, figure 1). With the belt engaged, adjust the belt stops 1/8" from belt. Tighten the hardware.
10. The blower belt (A, figure 4) should be installed as shown.

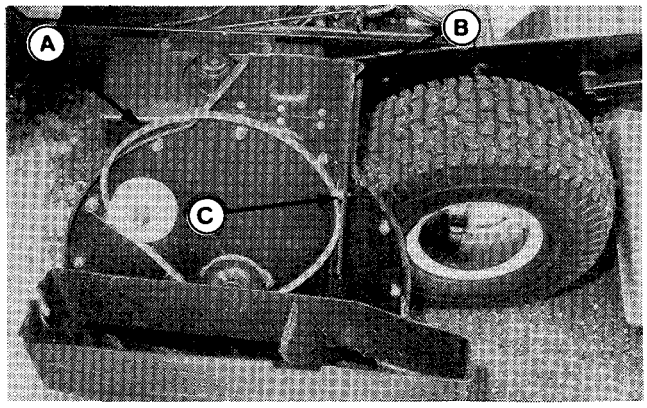

Figure 4.

A. Belt **B. Notch** **C. Spacer**

11. Install wing nut (D, figure 5A) as follows:
    a. Remove existing hardware from front end of stone guard.
    b. From inside deck, install new 5/16-18 x 2-1/4 carriage bolt (F, figure 5A). Then install the cup (A), 5/16 lockwasher (B), and 5/16 nut (C). Tighten the nut.
    c. Thread the wing nut (D) far enough onto the screw so that the 5/16 locknut (E) can be threaded on flush with the end of screw.

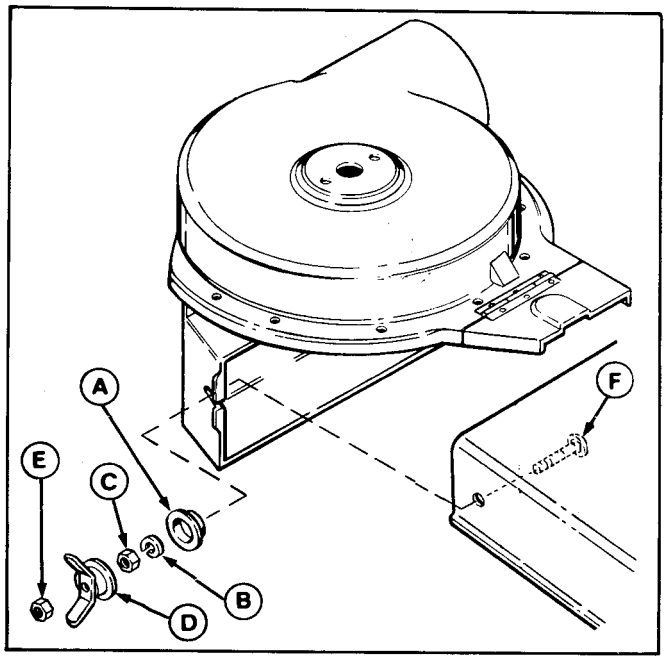

Figure 5A.

A. Cup
B. Lockwasher, 5/16
C. Nut, 5/16
D. Wing Nut
E. Locknut, 5/16
F. Carriage Bolt

12. Install the new baffle (A, figure 5B) in deck on stone guard using existing hardware. Hardware may be installed with nut to inside or nut to outside.

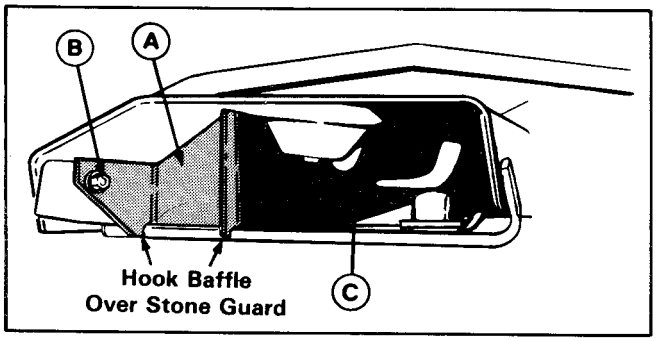

Figure 5B.

A. Baffle
B. Carriage Bolt
C. Mower Discharge Opening

13. Install the blower assembly as follows:
    a. Align the notch (B, figure 4) with spacer (I, figure 3) on arbor bracket. Align spacer (C, figure 4) with notch (F, figure 3) on arbor bracket. Slide the assembly into place as shown in figure 6, while aligning front notch between cup and wing nut (A, figure 6). Tighten wing nut.
    b. Raise the flap (A, figure 7) and install the blower drive belt (C) in the top groove of the pulley (B).

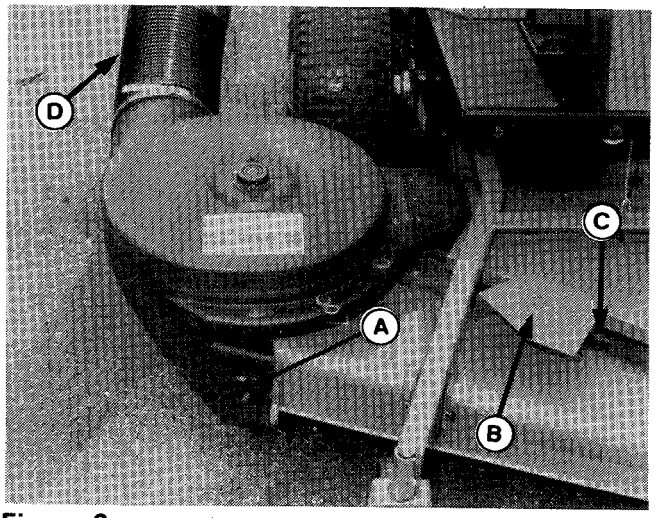

Figure 6.

A. Wing Nut
B. Cover
C. Stud
D. Hose

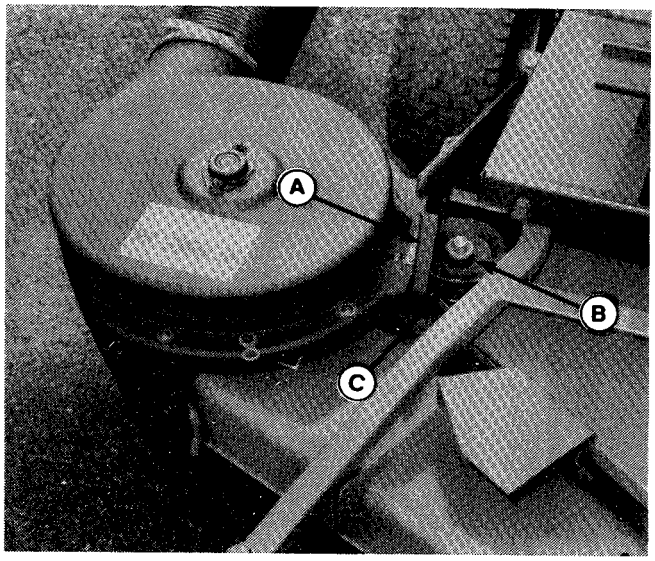

Figure 7.

A. Flap
B. Pulley
C. Drive Belt

INSTALLATION - COLLECTION SYSTEM

1. Install the frame (A, figure 8) at four locations (B) with 5/16-18 x 1-1/2 capscrew, washer and nut. Install spacers (F) at top capscrew on each side.
2. Attach the bracket (C, figure 8) with two 5/16-18 x 1-3/4 bolts (B), washers and nuts. Attach strap (E) with lower set of hardware.

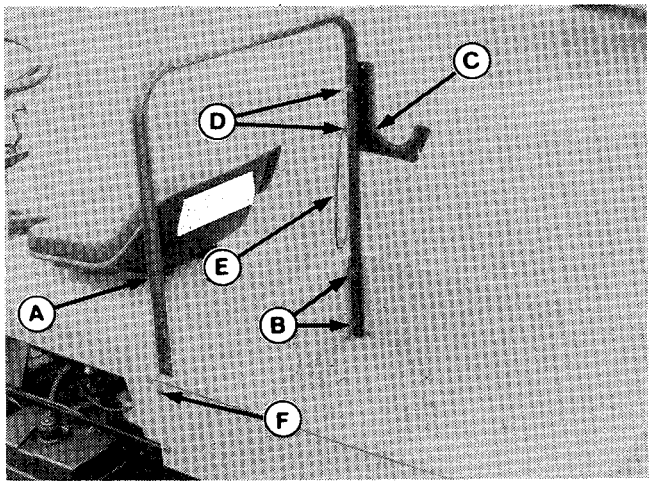

Figure 8.

A. Frame
B. Fastener Locations
C. Bracket
D. Bolt
E. Strap
F. Spacer

3. The support rod and frame rod must be inserted into the cover (A, figure 9) as follows.
   a. The frame rod (C, figure 9) must be inserted through the bottom sleeve of the cover so that the two bent ends extend out openings, which are next to the cord loops (D). The frame rod position is indicated by dotted line (B, figure 10).

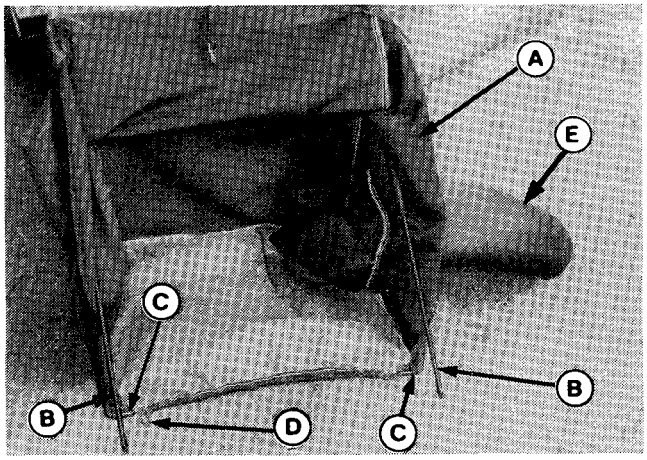

Figure 9.

A. Cover
B. Support Rod
C. Frame Rod
D. Cord Loops
E. Elbow

   b. The support rod (B, figure 9), which has eyebolt ends, must be threaded through the sleeve inside the cover. The position is indicated by dotted line (A, figure 10).

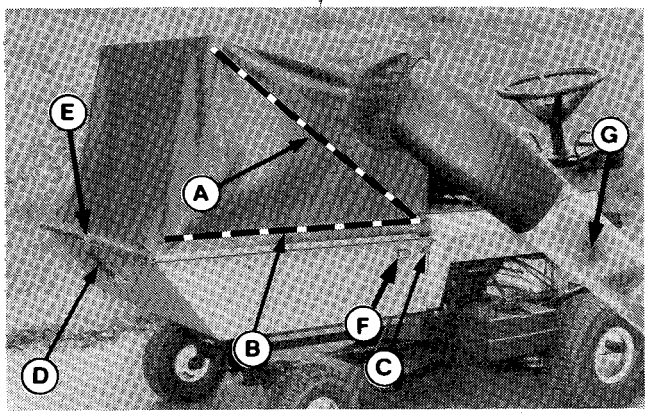

Figure 10.

A. Support Rod Location
B. Frame Rod Location
C. Cord Loop
D. Strap
E. Clip
F. Decal, Warning
G. Tube

NOTE

When you pick up cover to place over the frame, be sure support rod (B, figure 9) is inside frame rod (C).

4. Insert the elbow (E, figure 9) into the cover opening.
5. Pick up the cover and place down onto the frame (A, figure 8) inserting the elbow (A, figure 11) into the bracket (B) (shown without cover for clarity). Pull the rubber strap (C) over the elbow and hook into bracket as shown.

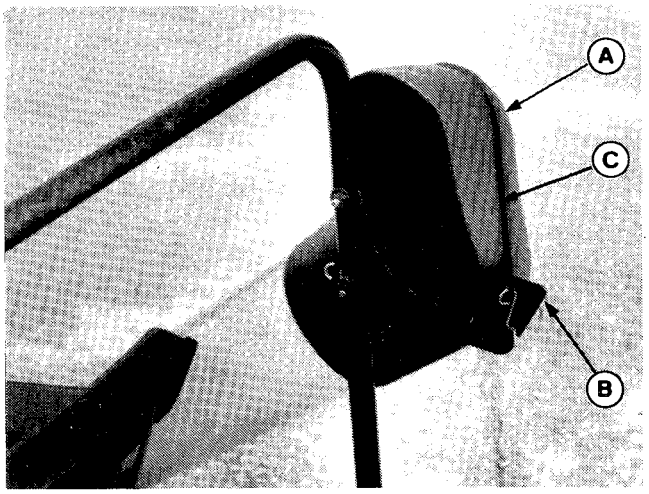

Figure 11. (Shown without cover for clarity.)

A. Elbow **B. Bracket** **C. Strap**

6. On each side, place the eyebolt of the support rod (B, figure 9) onto the frame rod, then insert frame rod (A, figure 12) through the frame (B). Insert clip (C) through frame rod to secure.
7. Insert an "S" hook to each end of the strap (D, figure 10). Hook one end through washer (E, figure 10) and pinch closed with a pliers.
8. Pull the cover down so it appears as in figure 10. To secure the front, pull the cord loops (C) onto the spacers. To secure the rear, hook the strap (D) onto back of cart as shown.
9. Install warning decal (F, figure 10) so it is visible from right-hand side. Make sure surface is clean. Remove backing paper and tack edge of decal in position. Then apply with heal of hand, smoothing out bubbles. The edge of a ruler can also be used.
10. Insert the tube (G, figure 10) securely into the hose (D, figure 6) which is clamped to the blower housing and into the elbow.

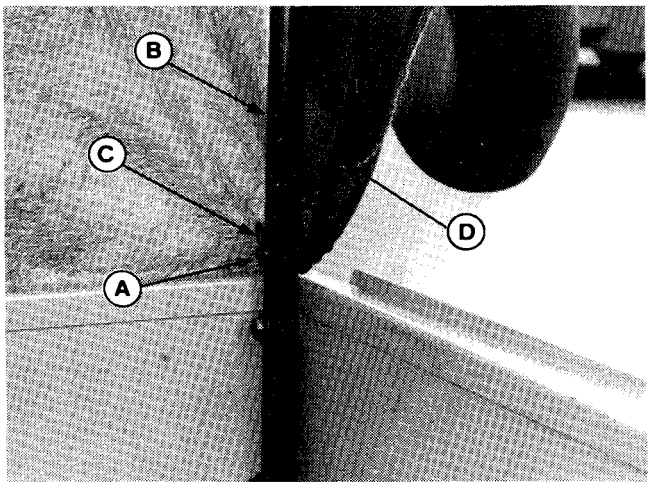

Figure 12.

A. Frame Rod **C. Clip**
B. Frame **D. Support Rod**

MODIFICATION TO RIDER

1. After installation of collection system, only one weight is required in rear. There should be one weight in rear channel.
2. Increase the rear tire pressure to 20–25 psi.

Maintenance

WARNING

The cart cover is subject to wear and deterioration. Check the cover frequently. Use an approved replacement cover.

The cover can be rinsed with a hose when dirty. A dirty cover will inhibit the fast flow of grass clippings into the cover. Do not leave grass or leaves in the cart for a long period of time.

Operation

WARNING

For safety reasons grass and debris are to be removed only after engine is shut off, key removed, and all moving parts stopped.

WARNING

Before raising cover, shut off engine, remove key, and set parking brake.

BEFORE OPERATION

Clear the lawn of all sticks, stones, wire and other debris which may be caught or thrown by the mower blades.

Clean the tube with mild detergent (other products may damage tube). The flow of grass can be seen through the tube while moving.

Check grass condition. If wet, wait until later in the day. If grass is wet plugging may occur.

For efficient bagging, air circulation under the mower deck, through the chute and into the bag is very important. For this reason, you should remove grass and debris from underside of mower deck, discharge chute and cover.

The adapter, tube and elbow can be removed as an assembly for cleaning. Remove the nuts and washers that hold the adapter to mower deck and unhook rubber strap from elbow.

OPERATION

Grass should be cut often, and not too short. If grass is too long or lush it may be necessary to keep ground speed to a minimum or to cut only half the width to prevent clogging. If grass is high, operate with mower in high cutting position. Cut the grass again in lower cutting position, if desired.

The collector is full when grass builds at the window.

Always operate with throttle at full speed.

DUMPING GRASS AND LEAVES

1. Back the tractor to the desired place for unloading. Shut the tractor's engine off before getting off the tractor's seat.
2. Unhook the strap from the door lock and raise the cover assembly to the open position. Lock the cover in place by hooking the strap to the locking tab (figure 13).
3. Move the latch handle to the unlock position and dump the cart's box using one of the front lift handles. The connecting tube will slide off the elbow and the cart's box will dump at a 90 degree angle for quick unloading.
4. If bagging the grass clippings is desired, the grass can be pulled from the cart at the curve side into a plastic lawn bag. Also, the grass can be dumped onto a tarp for throwing into a trailer.

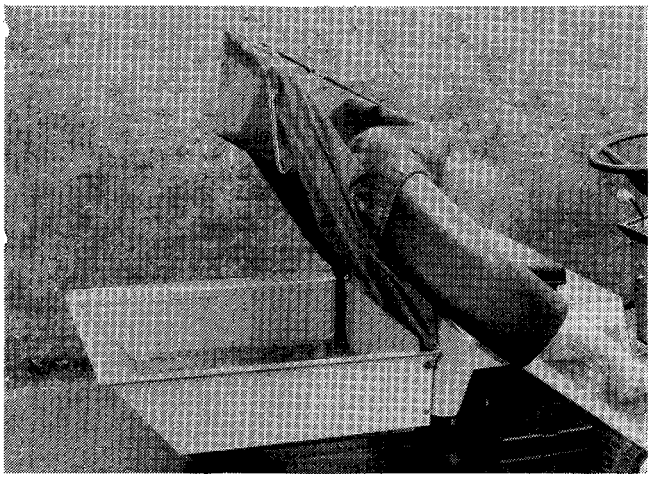

Figure 13.

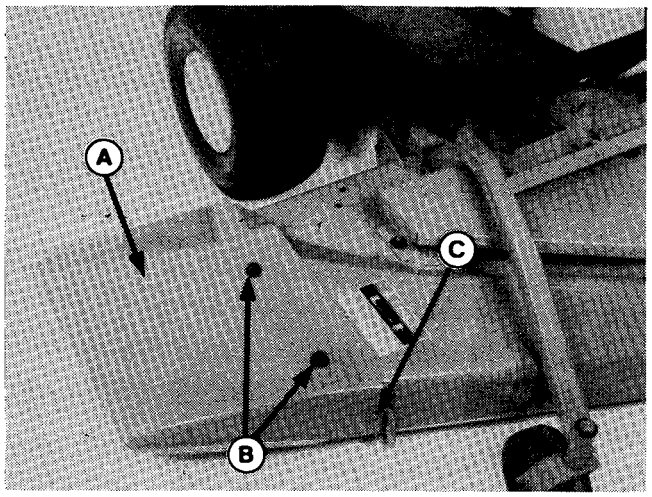

Figure 14.
A. Deflector
B. Nuts
C. Nut

OPERATING WITHOUT COLLECTION SYSTEM

⚠WARNING

When blower assembly is removed from mower deck, the deflector must be installed as described in this section.

To operate without the grass collection system, remove the blower (A, figure 6) by removing the front wing nut. Re-install the mower deflector (A, figure 14) by installing front nut (C) and inserting 3/8-16 x 3/4 carriage bolts in top holes (B). Install washers, lockwashers and nuts on carriage bolts.

Remove the wing nut which holds the cover (B, figure 6) to belt cover. Remove the right-hand front mower attachment pin (K, figure 1). Push right-front corner of mower deck and swing the cover around so it covers the arbor (B, figure 7). Insert stud (C, figure 6) through the bracket and secure in place with the wing nut. Re-install the right-hand front attachment pin (K, figure 1).